



Patent  
Attorney Docket No. 034253-002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Amine Abina

Group Art Unit: 1632

Application No.: 10/727,172

Examiner: ANNE MARIE SABRINA WEHBE

Filing Date: December 3, 2003

Confirmation No.: 5982

Title: METHOD OF MODULATING NEUTRALIZING ANTIBODIES FORMATION IN MAMMALS, AND USES THEREOF IN GENE THERAPY, ANIMAL TRANSGENESIS AND IN FUNCTIONAL INACTIVATION OF ENDOGENOUS PROTEINS

**SECOND  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a **SECOND** Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

By

  
Teresa Stanek Rea  
Registration No. 30,427

Date: January 21, 2005



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	
	)	
Amine ABINA	)	Group Art Unit: 1632
	)	
Application No.: 10/727,172	)	Examiner: Anne Marie Sabrina
	)	Wehbe
Filed: December 3, 2003	)	
	)	Confirmation No.: 5982
For: METHOD OF MODULATING	)	
NEUTRALIZING ANTIBODIES	)	
FORMATION IN MAMMALS, AND	)	
USES THEREOF IN GENE	)	
THERAPY, ANIMAL TRANSGENESIS	)	
AND IN FUNCTIONAL	)	
INACTIVATION OF ENDOGENOUS	)	
PROTEINS	)	

**SECOND INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

**U.S. Patent Documents**

1. HIGH et al., U.S. Publication No. 2003/0130221 A1, published on July 10, 2003.

**Non-Patent Documents**

1. Pia GALLE et al., "Knocking out IL-6 by Vaccination," *Eur. J. Immunol.*, 2004, Vol. 34, pp. 291-300, published by WILEY-CCH Verlag GmbH & Co. KGaA, Weinheim, Germany;
2. Jennifer COUZIN, "Sperm-Tracking Vaccine Blocks Male Fertility in Monkeys," *Science*, Vol. 306, November 12, 2004, page 1117, published by AAAS, Washington, D.C.;
3. M. G. O'RAND et al., "Reversible Immunocontraception in Male Monkeys Immunized with Eppin," *Science*, Vol. 306, November 12, 2004, pp. 1189-1190, published by AAAS, Washington, D.C.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date January 21, 2005

By: 

Teresa Stanek Rea  
Registration No. 30,427

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

# **SECOND INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number	10/727,172
Filing Date	December 3, 2003
First Named Inventor	Amine ABINA
Examiner Name	Anne Marie Sabrina Wehbe
Attorney Docket Number	034253-002



## **U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	2003/9139221	A1	High et al.	07-10-2003

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec

## **NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Pia GALLE et al., "Knocking out IL-6 by Vaccination," <i>Eur. J. Immunol.</i> , 2004, Vol. 34, pp. 291-300, published by WILEY-CCH Verlag GmbH & Co. KGaA, Weinheim, Germany.
	Jennifer COUZIN, "Sperm-Tracking Vaccine Blocks Male Fertility in Monkeys," <i>Science</i> , Vol. 306, November 12, 2004, page 1117, published by AAAS, Washington, D.C.
	M. G. O'RAND et al., "Reversible Immunocontraception in Male Monkeys Immunized with Eppin," <i>Science</i> , Vol. 306, November 12, 2004, pp. 1189-1190, published by AAAS, Washington, D.C.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.